

Industrial Activities? Who me!? - transportation facilities - (but only those who do vehicle maintenance) - sewage treatment plants designed for over 1.0 MGD - landfills - recycling facilities - etc. - Considered "INDUSTRIAL"....

14 Industrial Frederick County Facilities

- 14 county facilities covered by a permit
- 1 was able to get no-exposure certified.
 - Green Valley Fire-Rescue Station
- The remaining 13 have developed SWPPPs
 - Fleet Maintenance: LEC, TransIT, FCPS Hayward Rd, 331 Montevue,
 - Satellite yards: Johnsville, Thurmont, Urbana, Myersville, Jefferson
 - WWTPs: Ballenger Creek, New Market, Jefferson
 - Landfill: Reichs Ford

The new Permit is coming !!!



All permitted facilities will need to:

- submit a Notice of Intent (NOI) for all facilities along with a Stormwater Pollution Prevention Plan (SWPPP)
 - MDE will be reading the SWPPP beforehand!
- quantify the acreage of the facility as treated versus untreated impervious surfaces

The new Permit is coming !!!

- restore 20% of the facility's untreated impervious surface w/in 4 years.
- conduct quarterly visual assessments of stormwater discharges from all outfalls on the facility property
- If your facility drains to impaired or high quality ("tier 2") waters, you will have additional obligations
- Etc....

OSER to the Rescue



- The County's Office of Sustainability and Environmental Resources (OSER) will be assisting as before.
- Relax, deep breath.



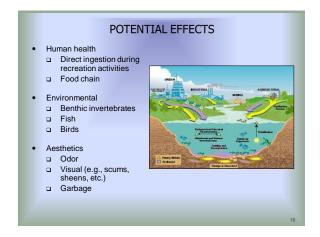
What's Wrong With This Picture?













6 Typical Pollution Sources from Your Facility 1. Loading and Unloading Operations 2. Outdoor Storage 3. Outdoor Process Activities 4. Dust or Particulate Generating Processes 5. Illicit Connections and Non-Stormwater Discharges 6. Waste Management





Acronyms

- MS4 = Municipal Separate Storm Sewer System
- NPDES = National Pollutant Discharge Elimination System

Municipal Separate Storm Sewer System

- An MS4 is a conveyance or system of conveyances that is:
 - Owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.;
 - Designed or used to collect or convey stormwater (including storm drains, pipes, ditches, etc.);
 - Not a combined sewer; and
 - Not part of a Publicly Owned Treatment Works (sewage treatment plant).

NPDES

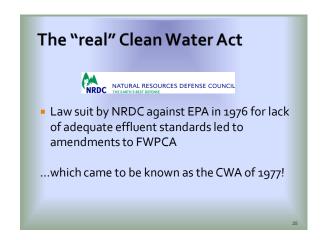
- As authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.
 - MS4s are considered point-sources of pollution!

It all starts with the CWA...sorta

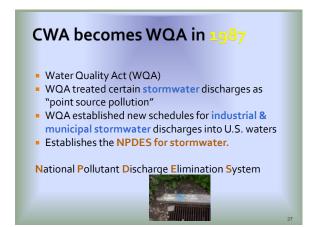
- 1972 Federal Water Pollution Control Act (FWPCA)
 - No more point source pollution discharges into navigable waters!
 - It required permit to discharge wastes to public resources



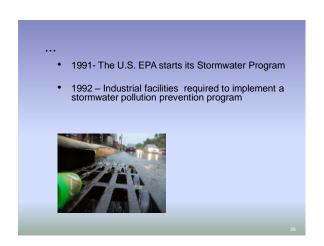
24

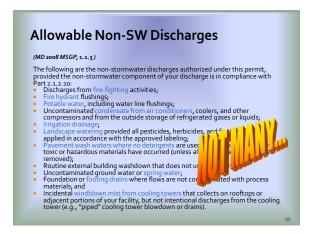


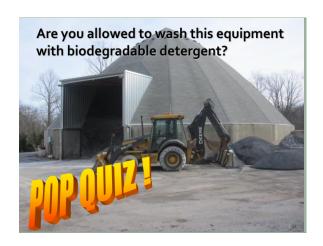








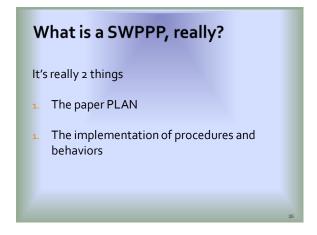


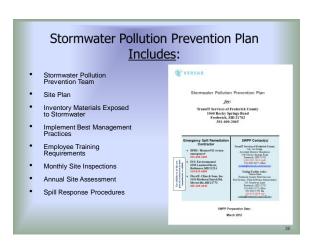


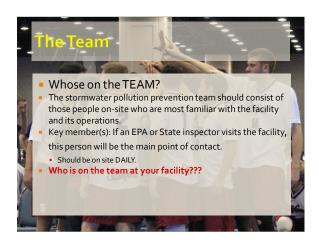


SWPPP = Stormwater Pollution Prevention Plan A site-specific, written document that: Identifies potential sources of stormwater pollution at the industrial facility; Describes stormwater control measures that are used to reduce or eliminate pollutants in stormwater discharges from the industrial facility; & Identifies procedures the operator will use to comply with the terms and conditions of the General Discharge Permit. Sometimes called a "P2 Plan"









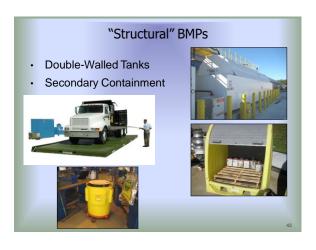
The Team Are you "qualified"? EPA defines qualified personnel as "those who posses the knowledge and skills to assess conditions and activities that could impact stormwater quality at your facility, and who can also evaluate the effectiveness of control measures."

Each member of the stormwater pollution prevention team should have ready access to either an electronic or paper copy of applicable portions of the industrial stormwater general permit and the SWPPP. | 1.3 | Stormwater Pollution Prevention Team | Staff Name | Industrial | Stormwater Pollution Prevention Team | Industrial | Industrial









Good Housekeeping

- EPA expects you to set an example for the private
- EPA expects you to set an example for the private
- EPA expects you to set an example for the private
- Specific good housekeeping practices vary by facility...

Good Housekeeping



- Regular pickup and disposal of waste materials and scrap
- Maintenance of clean work spaces;
- Routine inspections for leaks and of the condition of tanks, vehicles and containers;
- Routine inspections to make sure that industrial materials are properly stored and labeled;
- A schedule for sweeping paved areas and floors, including who will perform the sweeping (employee or contractor);
- The individual or position responsible for emptying drip pans placed beneath leaking equipment, valves, and fill lines.

Employee Training

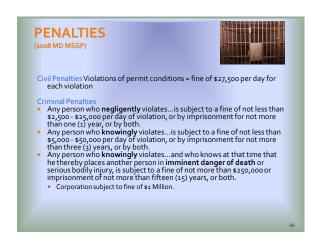
 All employees from a facility, once per year and all new hires upon entering workforce.

Top 10 Common Compliance Failures at Industrial Facilities...





- Control measures described in SWPPP not used
- No SWPPP on-site
- SWPPP not signed
- Stormwater pollution prevention team not up-to-date
- On-site staff not familiar with SWPPP
- Improper collection of visual assessment samples.
- Uncovered dumpsters
- Poor employee/contract staff training
- Inspection or monitoring records are not kept with the











Minor Spill Notification All minor spills must be documented by the SWPPP Team members or other designated personnel using the Spill/Release Incident Form (Attachment F) Keep the original filled spill form in the SWPPP. A copy of filled spill form must be sent to the Superintendent. A copy of the filled spill form is sent to MDE.

MDE Reporting Requirements

- COMAR 26.10.01.03
- All oil spills onto <u>land or water</u>, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately by phone (but not later than 2 hours after detection).
- MDE requires written report as well within 10 days of clean up.
- No volume threshold for reporting!!!!

Minor Spill	SPILL NOTIFICATION FORM				
	Part Az Basic Spill Data				
	Type of Spilled Substance: Quantity Released:		Notification Persons Spill Date and Times Discovery Date and Times Spill Duradon:		
Notification					
	Location of Spills				
Form					
	Facility Name & Locations Frederick County Transit Facility 1040 Rocky Springs Road, Frederick, Manyland 21702 Owner / Company Name:		Release to [] air [] water [] ocean [] well [] soil [] sewer [] comainment [] other. Telephone:		
	Frederick County Fleet Services Frederick County Commissioners 12 E Church Street Frederick, Maryland 22701		Facility: 301-600-15 Fac: 301-600-1765	2	
	Nature of spill and any environmental or health effects: [] Priuries [] Fatalities				
	Part B: Notification Checklist				Items from Spill Kit Used
		Notification Date and Time		Name of Person that Received Call	Pads; Booms; Bags; Gloves
	Spill is any amount of petroleum product:				Does Spill Kit need re-filled
	Floet Services Plet Hannah 301-600-3588 or Valline Stine 301-600-1572 or 280-574-7479 father hound) Maryland Department of the Environment (24 hound) 866-693-4686 - or - 410-974-3551				
	Spill reaches groundwater or surface water:				
	Maryland Department of the Environment (24 hours) 856-633-4666 -on- 410-974-3551 National Response Center 1 400-424-8802 Region II Response Center 215-814-9036				
	Spill greater than 1,000-gallons or second event of greater than 42 gallons released in 12-month period				
	William C. Early, Acting Regional Administrator U.S. EPA Region III 1650 Arch Street (3PMSZ) Philadelehin, PA. 19103-2009				

Major Spills = 911

Major spill is considered an emergency. It is
 a spill that cannot be safely contained by staff
 or cleaned up and/or has made its way into
 the storm sewer system, stormwater pond,
 waterbody or groundwater table or is a threat
 to human health.

Major Spill continued 1. The discharge is large enough to spread beyond the immediate discharge area; 2. The discharged material enters a storm drain or stream, lake; 3. The discharge requires special equipment or training to cleanup; and/or 4. The discharged material poses a hazard to human health or safety.

CALL THE CONTRACTOR!

The county has a contract with the following emergency response contractors.

DFRS / Hazmat 911 or non-emergency# 301-600-1603

Burns Septic & Tank Cleaning 2360 Dairyland Drive, Westminster 1-877-89-BURNS

Floyd E. Cline & Sons, Inc. 3434 Brethren Church Rd, Myersville 301-293-2349

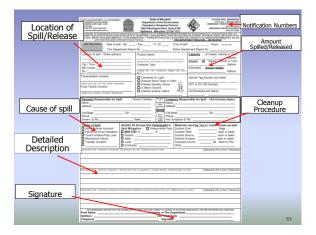


N.R.C. Oil Spill Reporting Requirements: Violate applicable water quality standards;

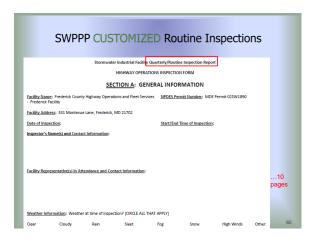
- Cause a film or "sheen" upon, or discoloration of the surface of the water or adjoining shorelines; or
- Cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines
- NRC is the federal government's centralized reporting center, which is staffed 24 hours per

MDE Reporting Requirements

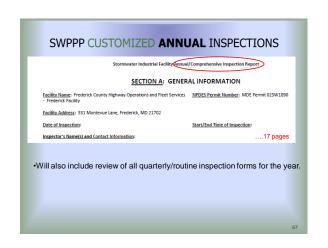
- All oil spills onto land or water, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately (but not later than 2 hours after detection).
- MDE requires both verbal and written reports.
- No volume threshold mentioned.







SWPPP CUSTOMIZED ANNUAL Inspections More comprehensive than quarterly form inspection. • Might include: Integrity testing of containment vessels with results Suggested modifications of behaviors or stormwater BMPs to better handle recurring spills Updating SWPPP to reflect changes at facility, new buildings, new activities etc.



Original stays on site in the SWPPP. Copies of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31st of each year. She can be reached at 301.600.1350 or

jseipp@frederickcountymd.gov.









